

Figure 1. Locations of major structural basins and arches and the area of principal hydrologic investigation for the Midwestern Basins and Arches Regional Aquifer-System Analysis study.

| Generalized geologic units |                  |                      |                    | Generalized hydrogeologic units |
|----------------------------|------------------|----------------------|--------------------|---------------------------------|
| SYSTEM                     | SERIES           | Southwestern Indiana | Northern Indiana   |                                 |
| PLEISTOCENE                | GLACIAL DEPOSITS |                      |                    | Glacial aquifers                |
|                            | LOWER            | BORDEN GROUP         | WABASH SHALE       | Confining unit                  |
|                            | UPPER            | NEW ALBANY SHALE     | ANTWERP SHALE      |                                 |
| DEVONIAN                   | MIDDLE           | MUSKOGEE GROUP       | TRAILING FORMATION | Carbonate aquifer               |
|                            | LOWER            | SALINA GROUP         | SALINA GROUP       |                                 |
| SILURIAN                   | GRUYER           | SALINA GROUP         | SALINA GROUP       | Confining unit                  |
|                            | ALLEGANY         | SALINA GROUP         | SALINA GROUP       |                                 |
| ORDOVICIAN                 | ATLANTIC         | MAQUOKETA GROUP      | MAQUOKETA GROUP    | Confining unit                  |
|                            | MIDDLE           | TRITON LAMBERTON     | TRITON LAMBERTON   |                                 |

Figure 3. Relation between geologic and hydrogeologic units in southeastern, northwestern, east-central, and northern Indiana (modified from Casey, 1992).

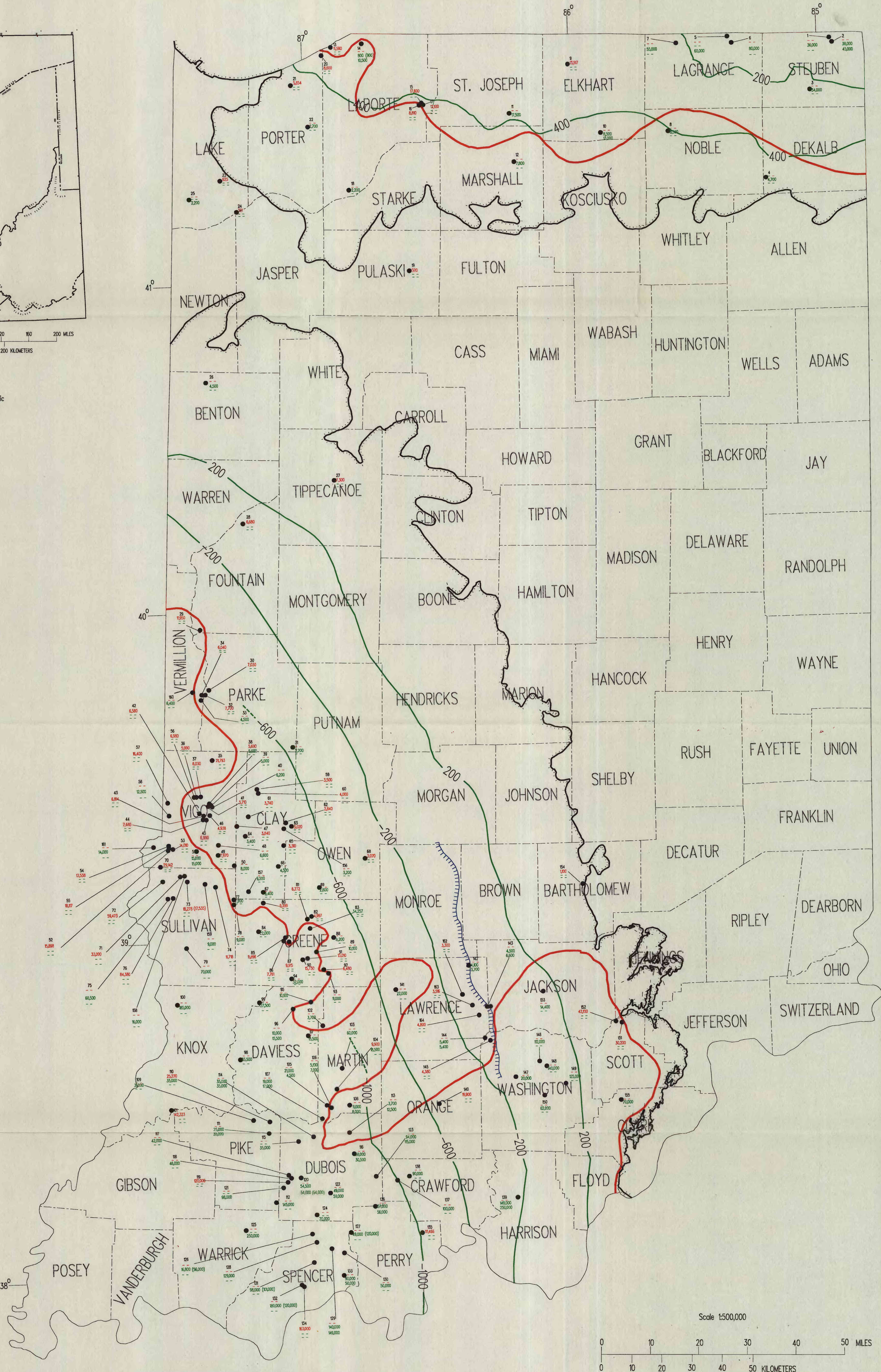


Figure 2. Well locations, dissolved-solids concentrations of ground water, and the approximate location of the 10,000-milligram-per-liter dissolved-solids boundary in southwestern and northern Indiana.